

ABSTRACT

A water irrigation system may include a computer system, a sensing unit, an irrigation controller, and/or a water delivery system. The computer system may include regional evapotranspiration. The sensing unit may assess climatological conditions and provide output that is a function of the climatological conditions to the computer system. The computer system may assess zonal evapotranspiration at least partially based on the output provided by the sensing unit. The computer system may assess an irrigation need of the zone to be irrigated at least partially based on the regional evapotranspiration and the assessed zonal evapotranspiration. A method of controlling irrigation may include assessing climatological conditions, assessing zonal evapotranspiration based at least on the assessed climatological conditions, and controlling irrigation of the zone to be irrigated at least partially based on regional evapotranspiration and the assessed zonal evapotranspiration.